ASODUR-Penetrating Primer

EPOXY PERFORMANCE PRIMER FOR CONCRETE AND SOLVENT-RESISTANT ABSORBENT SURFACES

Product Description:

ASODUR Penetrating Primer is a penetrating, moisture tolerant, two-component epoxy primer used to prime concrete surfaces for high performance applications. It is commonly utilized as part of a complete flooring system and is also suited for use as a general-purpose sealer.

Typical Application:

1. Concrete Sealer.
2. Absorbent surface binder.

Considerations & Limitations:

1. Do not thin with solvents unless advised to do so by AQUAFIN Pakistan.
2. Confirm product performance in specific chemical environment prior to use.
3. Prepare substrate according to "Surface Preparation" portion of this document.
4. Do not apply to slabs on grade unless a heavy enraptured vapor barrier has been installed under the slab.
5. Always use protective clothing, gloves and goggles during use. Avoid eye and skin contact. Do not ingest or inhale.
6. For industrial/ commercial use. Installation by trained personnel only.

Surface Preparation:

Apply only to clean, dry and sound concrete substrates that are free of all coatings, scalers, curing compounds, oils, greases or any other contaminants.

- New concrete should be cured a minimum of 28 days.
- Concrete that has been contaminated with chemicals or other foreign matter must be neutralized or removed.
- Remove any laitance or weak surface layers.
- Concrete should have a minimum surface tensile strength of at least 300 PSI per ASTM D-4541.
- Surface profile shall be equal to 60-grit sandpaper or coarser. Prepare surface by mechanical means to achieve this desired profile.
- All surface irregularities, cracks, expansion joints and control joints should be properly addressed prior to application.

Benefits:

- Low viscosity formulation penetrates and seals concrete pores.
- Provides superior adhesion to substrate and higher tensile and flexural strengths when compared to conventional polyamide primers.
- Cures at ambient temperatures.
- Resistant to amine blush, even when cured at low temperatures and high humidity.

Product Data:

Volume Solid% = 82% Specific Gravity = 1.05 A.
Adhesion Value = >3.5 MPa Dry Time = 3 hours.
Pot Life = 30 Minutes.

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Installation Steps:

1. Component A Resin should be premixed prior to using due to possible additive separation.
2. Pour Component B Hardener into the Component A Resin pail and mix for minimum of two minutes, using a mechanical jiffy-type mixer operated at low speed. Scrape the side of the pail to ensure the entire product has been properly mixed; any unmixed material left on the side of the pail will not cure.
3. Apply resin/hardener mixture by roller or squeegee, followed by a backroll with a short nap roller. Move quickly and empty contents of pail onto surface as soon as possible to provide maximum working time. Material left in the pail will generate heat and have a reduced pot life.
4. Optional Step: Once primer has become tacky to the touch, a second primer coat may be applied.
   Note: Double priming will greatly reduce the effects of outgassing by additionally filling the pores in the concrete.
   Note: Pay special attention not to contaminate surface when working on primer that has not cured to a tack-free surface.

Note: Primed surfaces should be recoated within 48 hours. For longer waiting periods, wipe with Thinner #7 until surface becomes tacky. If surface remains hard, abrasive sanding followed by a wipe with a 50:50 mixture of water and isopropanol will be necessary. Allow the solvent to flash before applying coating.

5. For best results, clean tools and equipment with Thinner #17.

Standard Color:

Amber Clear.

Packaging:

4 kg.

Coverage:

60 sq.ft/kg May vary depending on concrete porosity. Minimum two coat if used as a concrete surface binder.

Shelf Life:

One year from manufacturing date.

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